

**307 GEOCOMPOSITE EDGE DRAIN**

Today's pavement design may include the use of a geocomposite edge drain. An edge drain system is a very efficient way to remove water trapped in the aggregate base and/or subbase. The Project Plans and Standard Specifications are very clear concerning the installation of an edge drain system.

**307-3 Construction Requirements****307-3.04 Construction Method**

Detailed installation instructions should be available from the manufacturer or local supplier. The Resident Engineer should obtain this information and review it before construction begins.

A critical component of the edge drain system is the outlet pipes. All outlet pipes should have:

- soil-tight joints,
- positive grade for proper drainage, and
- resistance to deformation from installation and construction loading.

If the edge drain is damaged or torn, it can be repaired by taping over small areas or by placing a geotextile material over larger areas and then taping. Waterproof tape must be used, and a patch must have a 4-inch (100 mm) overlap. All patches must provide a watertight seal.